

fractures with grain
and the dust on the window-sill

violin, violoncello, and keyboard

for Longleash

(2021)

isaac barzso

performance notes

instrument specifications

strings: the violin and violoncello players should be prepared to loosen and re-tighten their bows at multiple points in the piece.

adequate time should exist for this, but switching between multiple bows is perfectly acceptable if preferred by the performers.

piano: the pianist will need a metal guitar slide and a hard plastic card for use inside the piano and on the keyboard.

in addition, the piano should be prepared with museum-quality putty so that the specified strings sound as the specified harmonics.

Piano

A musical score for piano harmonics. It consists of a grand staff with a treble and bass clef. The treble staff contains twelve notes, each labeled with a harmonic number and a partial number: C1 partial 11.2, C#1 partial 13.3, D1 partial 11.2, D#1 partial 3.3, E1 partial 13.3, F1 partial 13.3, F#1 partial 11.2, G1 partial 13.3, G#1 partial 11.2, A1 partial 11.2, A#1 partial 13.3, and B1 partial 13.3. The bass staff contains corresponding notes for each harmonic, mostly in the lower register.

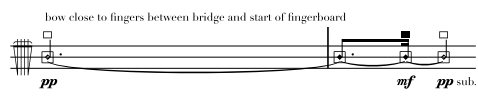
the pianist will also need an Indian harmonium, which is played in conjunction with the piano during the last third of the piece.

the piece was written with a Bhava harmonium used as reference.

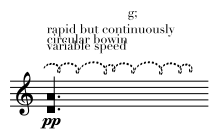
microtones

Two staves of musical notation showing microtones. The first staff contains nine notes with the following labels above them: A three qt flat, slightly lower than A flat, A flat, slightly higher than A flat, slightly lower than A qt flat, A qt flat, slightly higher than A qt flat, slightly lower than A natural, and A natural. The second staff contains eight notes with the following labels above them: slightly higher than A natural, slightly lower than A qt sharp, A qt sharp, slightly higher than A qt sharp, slightly lower than A sharp, A sharp, slightly higher than A sharp, and A three qt sharp.

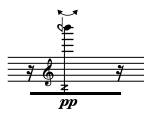
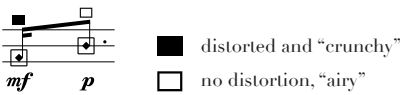
string techniques



with the left hand, place four fingers as parallel as possible, stopping the strings with harmonic pressure. bow close to the fingers on the strings indicated by roman numerals. follow the contour of the glissando while keeping the fingers as parallel as possible.



with the left hand, stop the strings with harmonic pressure. rapidly move the bow parallel to the fingerboard with light pressure, obscuring discernable pitch.



tremolo between crine and legno.

0.5 ... 3 ... 0.2

modify bow speed on scale from 0 to 10.



in conjunction with playing, speak given syllables as per the specified contour.

piano techniques



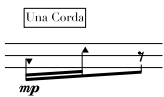
irregular tremolo “quiver”: place metal guitar slide in diagonal position and tremolo across strings in a frenetic “quivering” motion.



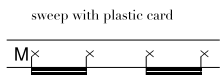
mute string with free hand.



hit general area of strings around given pitch with either metal slide or palm.



use una corda pedal as a percussive object by pressing down with a given amount of force.



sweep plastic card over middle register of keyboard without pressing down.



rattle sustain pedal to create percussive sound.

for Lingleash

fractures with grain and the dust on the window-sill

isaac barzso (2021)

Violin

Violoncello

Piano

$\text{♩} = 115$
m.s.p.

ppp

pp

col legno battuto

p

muted with hand

p

pp

Vln.

Vc.

Pno.

5

3

pp

3

mp

pp

m.s.p.
arco

pp

col legno tratto

3

mp

arco
col legno tratto

3

mp

4 s.p.

p

8va

5

mp

8ba

6

pp

10 $\text{♩} = 125$

Vln. 5 *pp* *pp*

Vc. *s.t.* *m.s.p.* *pp*

Pno. *p* *mp* *p* *mp*

5 *8^{va}* *3* *3* *8^{ba}*

14

Vln. *s.t.* *mp* *ord.* *p*

Vc. *ord.* *p* *5* *s.t.* *mp* *ord.* *p*

Pno. *mf* *mp* *p*

6 *p* *mf* *p*

Musical score for measures 18-21 of "The Swan" from "The Nutcracker". The score is for Violin (Vln.), Viola (Vc.), and Piano (Pno.).

Measure 18: Vln. plays a half note G4, quarter note A4, quarter note B4, quarter note C5, quarter note B4, quarter note A4, quarter note G4. Vc. plays a half note G3, quarter note A3, quarter note B3, quarter note C4, quarter note B3, quarter note A3, quarter note G3. Pno. plays a half note G2, quarter note A2, quarter note B2, quarter note C3, quarter note B2, quarter note A2, quarter note G2. Dynamics: *p*.

Measure 19: Vln. plays a half note G4, quarter note A4, quarter note B4, quarter note C5, quarter note B4, quarter note A4, quarter note G4. Vc. plays a half note G3, quarter note A3, quarter note B3, quarter note C4, quarter note B3, quarter note A3, quarter note G3. Pno. plays a half note G2, quarter note A2, quarter note B2, quarter note C3, quarter note B2, quarter note A2, quarter note G2. Dynamics: *p*.

Measure 20: Vln. plays a half note G4, quarter note A4, quarter note B4, quarter note C5, quarter note B4, quarter note A4, quarter note G4. Vc. plays a half note G3, quarter note A3, quarter note B3, quarter note C4, quarter note B3, quarter note A3, quarter note G3. Pno. plays a half note G2, quarter note A2, quarter note B2, quarter note C3, quarter note B2, quarter note A2, quarter note G2. Dynamics: *p*.

Measure 21: Vln. plays a half note G4, quarter note A4, quarter note B4, quarter note C5, quarter note B4, quarter note A4, quarter note G4. Vc. plays a half note G3, quarter note A3, quarter note B3, quarter note C4, quarter note B3, quarter note A3, quarter note G3. Pno. plays a half note G2, quarter note A2, quarter note B2, quarter note C3, quarter note B2, quarter note A2, quarter note G2. Dynamics: *p*.

This musical score is for Violin (Vln.), Viola (Vc.), and Piano (Pno.). It consists of three staves. The Violin staff (top) begins with a measure number of 22. The Viola staff (middle) has a measure number of 23. The Piano staff (bottom) has a measure number of 24. The score includes various musical notations such as notes, rests, and dynamic markings. The Violin part features a melodic line with trills and slurs, marked with dynamics like *mf*, *pp*, *p*, *mp*, and *mf*. The Viola part has a more rhythmic, arpeggiated texture, marked with *mf*, *p*, and *mf*. The Piano part provides harmonic support with chords and single notes, marked with *pp* and *mf*. The score is written in a key with one sharp (F#) and a 4/8 time signature.

34

Vln. *pizz.* *p* 3 3 3

Vc. *pizz.* *p* 3 3 5 3 5

Pno. *pp* 3 *mp* 5

(8)

38

Vln. *col legno tratto* *arco* *pp* 3 *mp* *pizz.* *p* 3 *col legno tratto* *arco* *pp* 3 *mp*

Vc. *(pizz.)* 3 *col legno tratto* *arco* *pp* 3 *mp* *pizz.* *p* *mf*

Pno. *p* 3 *mp* *8va* 5 *pp* 5 *p* 3 *mp* *pp* 3 *mp*

(8)

==

Violin (Vln.) part: Starts with a 6-measure rest, then plays a series of eighth notes with a *p* dynamic. It includes a *m.s.p. arco* marking and a *mf* dynamic. The part concludes with a 3-measure rest and a *mf* dynamic.

Viola (Vc.) part: Features a mix of eighth and sixteenth notes. It includes a *mf* dynamic, a *mp* dynamic, and a *p* dynamic. There are markings for *ord.* (order) and *s.l.* (slur).

Piano (Pno.) part: The right hand plays a series of eighth notes with a *pp* dynamic, followed by a *p* dynamic. The left hand plays a series of eighth notes with a *mp* dynamic. The part concludes with a *p* dynamic and a *f* dynamic.

The musical score is written for Violin (Vln.), Viola (Vc.), and Piano (Pno.). It consists of three systems of staves. The Violin and Viola parts are in treble and alto clefs, respectively, while the Piano part is in grand staff (treble and bass clefs). The key signature has one flat (B-flat), and the time signature is 3/16. The score includes various musical notations such as slurs, ties, and dynamic markings. The Piano part features a 'transition to muted' section indicated by a dashed line. The Viola part includes a 'pizz.' (pizzicato) marking. The Piano part includes a 'Ped.' (pedal) marking. The score is numbered 50 at the beginning and 16 at the end of each system.

54

Vln.

p *mf* *mp* *p* *mf* *mp*

s.t. m.s.t. pizz.

57

Vc.

s.p. ord. II. III. m.s.t. pizz.

p *mf* *mp*

Pno.

8va tr 8va

pp *mf* *mp* *p*

Ped.

♩ = 110

==

[illegible]

66

Vln.

Vc.

Pno.

mp

3

8va.

Detailed description: This system contains measures 66 through 70. The Violin (Vln.) and Viola (Vc.) parts are mostly rests. The Piano (Pno.) part has a tremolo in the right hand starting in measure 66 and continuing through measure 70. In the left hand, there is a triplet of eighth notes in measure 69, marked with a triplet '3' and a dynamic of *mp*. A double bar line is placed after measure 68. The time signature is 2/8.

70

Vln.

Vc.

Pno.

p

3

(8)

norm.

Detailed description: This system contains measures 70 through 74. The Violin (Vln.) and Viola (Vc.) parts are mostly rests. The Piano (Pno.) part has a triplet of eighth notes in the right hand in measure 73, marked with a triplet '3' and a dynamic of *p*. In the left hand, there is a tremolo in measure 70, marked with a dynamic of *norm.* and a circled '8' below the staff. A double bar line is placed after measure 72. The time signature is 2/4.

74

Vln.

II.
III.
bow close to fingers between bridge and start of fingerboard

pp

mf

pp sub.

III.
IV.

II.
III.

pp

circular bowing;
rapid but continuously
variable speed

Pno.

no fin.

(8)

78

Vln.

mf

pp

p

trem. between legno and crine
I.

circular bowing; rapid but
continuously variable speed

Pno.

f

pp

f

p

mf

pp

Ped.

(8)

82

Vln.

Vc.

Pno.

mf

pp

p

(8)
(Ped.)

86

Vln.

Vc.

Pno.

pp

mf

mp

mf

pp sub.

f

p sub.

f

p

f

mp

mp

fp

fp

mp

fp

5

(8)

circular bowing; rapid but continuously variable speed

quivering with metal guitar slide

90

Vln.

arco

mf

III.
continuously variable bow pressure
and speed
col legno tratto

Vc.

p

mf

III.
IV.

mf 3 *p*

Pno.

mp

p 3

mf

5

3

mp

(8)

94

Vln.

f

III.
IV.

mp

p

IV.
harmonic gliss

3

slightly faster ♩ = 60

Vc.

f

circular bowing: rapid but continuously variable speed

3

f

mp

5

mp

3

mp

II.
III.

5

f

mp

Pno.

p

3

mf

p

3

mf

Ped.

pp

(8)

slightly slower $\text{♩} = 50$

98

Vln.

Ve.

Pno.

II. harmonic gliss.

p

mf *f*

pp

Ped.

102

Vln.

Ve.

Pno.

p

loosen bow hair entirely

loosen bow hair partially

p poss.

f *p* *fp*

multiphonic
IV [7+10+13+3]
LH approx. position

bow hair loosened fully; moving between tasto and ponticello ad lib;
slightly bouncing stick ad lib

106

Vln.

p

5

Vc.

p

3

pp

1.

bow hair loosened partially; moving between tasto and ponticello ad lib;
slightly bouncing stick ad lib

Pno.

pp

3

110

Vln.

remain still

Vc.

p

tr

remain still

Pno.

remain still

114

Vln. *ppp* I. *0.5*

Vc. loosen bow hair completely III. IV. *p* *mp* *sf* *mp*

Pno. *ppp* *8va* *mp*

Measure 114: Violin I has a long note, Violin II has a triplet, Piano has a high octave passage. Measure 115: Violin I has a long note, Violin II has a triplet, Piano has a high octave passage. Measure 116: Violin I has a long note, Violin II has a triplet, Piano has a high octave passage. Measure 117: Violin I has a long note, Violin II has a triplet, Piano has a high octave passage.

118

Vln. *p* *sim.* *remain still* $\text{♩} = 120$

Vc. *p* *sim.* *remain still*

Pno. *p* *remain still* *pp*

Measure 118: Violin I and Violin II have a 5-measure rest, Piano has a 5-measure rest. Measure 119: Violin I and Violin II have a 5-measure rest, Piano has a 5-measure rest. Measure 120: Violin I and Violin II have a 5-measure rest, Piano has a 5-measure rest. Measure 121: Violin I and Violin II have a 5-measure rest, Piano has a 5-measure rest.

122 $\text{♩} = 100$ remain still

Vln. *pp* 5 *p*

Vc. *pp* 5 *p*

Pno. with palm 5 remain still *p* with slide

126 fully tighten bow hair

Vln. 8

Vc. 8 fully tighten bow hair

Pno. *pp* with palms 3 5 *ppp*

132

130

Vln.

Vc.

Pno.

ppp

ppp

pp

m.s.t.

norm. 8^{va}

1/2 legno

ppp

134

Vln.

Vc.

Pno.

mp

pp

pp

p

crine s.t.

1/2 legno

5

slightly faster ♩ = 110

crine
s.p.

d.p.

m.s.t.

pizz.

p

s.t.
arco
tr

8va

pp

Vln.

Vc.

Pno.

mf

mf

mp

f

Vln.

Vc.

Pno.

146

Vln. *s.p.* *p* *mf* *ord.*

Vc. *m.s.p.* *mp* *pizz.* *mp*

Pno. *mf* *f* *8va*

pp *7:4* *mp* *pp*

149

Vln. *pizz.* *mf* *ord. arco* *f*

Vc. *arco* *mf*

Pno. *mf* *f sub.* *ppp* *Ped.*

==

[illegible]

162

molto vib.
s.p.

accel..... $\bullet = 60$
norm. vib.

Vln. *mf* *fppp* *f*

Vc. *mp* *mf* *fppp* *f*

Pno. *f* *pp* *f* *pp* *f* *pp* *ff*

8^{va} 3:2 5:4 3 5:4 5:4

Sost.

166

$\bullet = 125$

Vln. *f*

Vc.

Pno. *p* *f*

8^{va}

170

Vln.

Vc.

Pno.

ff *mp* *mp* *mp*

ff *mp* *mp* *mp*

p *fff*

f *f*

Ped. *f* Ped. *f*

174

Vln.

Vc.

Pno.

p *mf* *mp*

p *ppp* *pp*

pp

with metal slide

rall.

m.s.p. *5* *ord.*

1/2 legno
move between m.s.t. and m.s.p.

$\text{♩} = 40$
0.2 ... 1

Vln. 178 *pppp*
1/2 legno
move between m.s.t. and m.s.p.

Vc.

Pno. *mp*
Una Corda
pp
8^{va}
Ped.

Measure 178: Violin part has a long note with a breath mark. Viola part has a long note. Piano part has a long note with a breath mark and a pedal point. The score is in 4/4 time and includes dynamic markings like pppp, mp, and pp.

Vln. 181

Vc.

Pno. *mp*
Ped.

Measure 181: Violin part has a long note. Viola part has a long note. Piano part has a long note with a breath mark and a pedal point. The score is in 4/4 time and includes dynamic markings like mp.

183

Vln.

Vc.

Pno.

Harmonium; stop 8

scratch with plastic card

Ped.

mp < p

7:4

3

pp < mp

p

mp < o

III. IV.

t k t

t k

ah

uh

ah

mf-pp

mf-pp

mf-pp

p

3

pp < mp

p

7:4

III. IV.

ah

uh

ah

sh t

t k t

mf-pp

mf-pp

p sub.

5

p

3

fff

mp < fff

Ped.

186

Vln.

mp p 5 5

ah d t k t ah uh to

III. IV. 3

f > *mp* < *ff* *pp*

pp

Ve.

mp p pp 7 3

ah no jo ti t k t ah

III. IV. 3

f > *mp* < *ff* *pp*

on tailpiece

p

Pno.

let bellows die down

5 p

3 scratch with plastic card

ff *mp* < *fff*

Ped.

(Ped.)

190 *pp*

Vln.

ah

3

Vc.

Pno.

mf

pp

(Ped.)

194

Vln.

Vc.

Pno.

let bellows die down

III. IV.

III. IV.

on tailpiece

rattle plastic card on keys (middle register)

scratch with plastic card

Ped.

The musical score is for measures 194 to 197. The Violin (Vln.) part begins with a five-measure rest, followed by a quarter note G4, a quarter rest, and another quarter note G4. The Viola (Vc.) part starts with a quarter note G3, a quarter note A3, a quarter note B3, and a quarter note C4, all marked *pp*. The Piano (Pno.) part has a five-measure rest in the right hand and a five-measure rest in the left hand. In measure 195, the Violin and Viola both play a triplet of eighth notes (G4, A4, B4) marked *mp*. In measure 196, the Violin and Viola both play a half note G4 marked *fff*, followed by a quarter note F#4 marked *pp*. In measure 197, the Violin and Viola both play a half note G4 marked *p*, with the instruction "on tailpiece" above the Viola. The Piano part features a "rattle plastic card on keys (middle register)" in the right hand, marked *p* to *mp*, and a "scratch with plastic card" in the left hand, marked *mf* to *fff*. The Pedal (Ped.) is indicated at the bottom.

198

Vln.

Vc.

Pno.

(Ped.)

horizontal and vertical overpressure tremolo; begin as light lateral bowing and gradually transition to heavily overpressed, aggressive trem.

horizontal and vertical overpressure tremolo; begin as light lateral bowing and gradually transition to heavily overpressed, aggressive trem.

add coupler to stop 8

pp

p

ff

202

Vln.

Vc.

Pno.

fff

fff

fff poss.

loosen bow to 1/4 tension

loosen bow to 1/4 tension

let bellows die down, with space following

Detailed description: The image shows a musical score for measures 202 through 206. The Violin (Vln.) and Viola (Vc.) parts are written on single staves, while the Piano (Pno.) part is on a grand staff. Measures 202-205 contain sustained tremolos in the strings, marked with a double bar line and the dynamic *fff*. The Piano part in measures 202-205 features sustained bellows, marked with a double bar line and the dynamic *fff* poss. In measure 206, the strings are instructed to 'loosen bow to 1/4 tension' and the Piano is instructed to 'let bellows die down, with space following'. The score is in 4/4 time and ends with a double bar line and repeat dots.

212

Vln.

Vc.

Pno.

pp

pp

ppp

0.5

1/2 legno

arco

Harmonium; stop 2

mp

8va

p

a t k d uh k ah t k de uh

pizz. (lh only)

rapidly whisper text out of time and out of rhythm, repeat ad lib

ah d no be t k ti be jo d uh t ah no...

sweep plastic card on keys

222

pp rapidly whisper text out of time and out of rhythm, repeat ad lib

Vln.

3/16 - 4/8 - 8/8 - 7/16 - 3/8

ah d no be t k ti be jo d uh t ah no...

arco

pp

rapidly whisper text out of time and out of rhythm, repeat ad lib

Vc.

3/16 - 4/8 - 8/8 - 7/16 - 3/8

ah d no be t k ti be jo d uh t ah no...

arco

pp

Harmonium; stop 2

p

mf

sweep with plastic card

pp

Ped.

p

3

5

227

Vln.

Vc.

Pno.

pppp

pppp

pp

to metal slide (LH)

Ped.

5

pp

Detailed description: The score consists of three staves. The Violin (Vln.) and Viola (Vc.) staves are in treble and bass clefs respectively. They both play a pppp chord (F5, C6, G5) with a tremolo effect from measure 229 to 230. The Piano (Pno.) part has three staves. The top staff is in treble clef and plays a series of chords marked with 'x' in measures 227-229, followed by a chord in measure 230. The middle staff is in bass clef and has a rest in measure 227, followed by a rest in measure 228, and a metal slide (LH) in measure 229. The bottom staff is in bass clef and has a rest in measure 227, followed by a 5-measure pedal point (marked '5') in measure 228, and a rest in measure 229. The piano part ends with a ppp chord in measure 230.